

CLAIMS

What is claimed is:

1. An enterostomy device comprising:
a hollow stoma tube having a first end and a second end;
5 a low-profile port hub secured to said first end of said stoma tube for selectively
providing ingress and egress of fluids through said stoma tube;
a retaining member attached to said second end of said stoma tube and extending
therefrom, said retaining member having an inflatable ring portion; and
an inflation line positioned in proximity to said stoma tube and being in fluid
10 communication with said inflatable ring of said retaining member.
2. The enterostomy device of claim 1 wherein said retaining member
further comprises a skirt of flexible material encircling said second end of said stoma
tube and extending from said second end to said inflatable ring.
3. The enterostomy device of claim 2 wherein said inflatable ring and skirt
are oriented in a generally perpendicular orientation to the longitudinal axis of said
stoma tube upon full deployment.
- 20 4. The enterostomy device of claim 1 wherein said port hub comprises at
least one port selectively positionable to be in fluid communication with said stoma
tube.
5. The enterostomy device of claim 4 wherein said port hub is rotatable
25 relative to said stoma tube, and wherein said stoma tube further comprises at least
one opening, said port of said port hub being selectively movable between a position
in alignment with said opening and a position out of alignment with said opening.
6. The enterostomy device of claim 5 wherein said stoma tube further

includes a second opening, and said port is selectively movable for alignment with a first opening and with said second opening.

7. The enterostomy device of claim 6 wherein said first opening in said stoma tube is an inlet, said inlet having a valve for providing ingress of materials into said stoma tube.

8. The enterostomy device of claim 7 wherein said second opening is an outlet, said outlet having a valve for providing egress of materials out of said stoma tube.

9. The enterostomy device of claim 1 wherein said inflatable ring of said retaining member is a flattened toroidal ring.

10. The enterostomy device of claim 1 further comprising a flexible jejunostomy tube attached to and extending from said second end of said stoma tube.

11. An enterostomy device comprising:
a hollow stoma tube sized to be received through a stoma formed through the abdominal wall of a patient, said hollow stoma tube having a first end and a second end;
an inflation line configured with said stoma tube extending between said first end and said second end;
a retaining member attached to said second end of said stoma tube and being in fluid communication with said inflation line, said retaining member comprising an inflatable ring of biocompatible material coaxial with and secured to said stoma tube and extending therefrom;
at least one opening positioned at said first end of said stoma tube for delivery of substantially fluid substances through said stoma tube.

12. The enterostomy device of claim 11 wherein said retaining member further comprises a skirt of material attached to and extending from said second end of said stoma tube to said inflatable ring.

5 13. The enterostomy device of claim 11 wherein said at least one opening is formed through a port hub positioned at said first end of said stoma tube, said port hub being rotatable relative to said stoma tube and having at least one port for selectively aligning with at least one opening formed through said stoma tube for selective delivery of said substantially fluid substances through said stoma tube.

10 14. The enterostomy device of claim 11 further comprising a jejunostomy tube secured to and extending from said second end of said stoma tube, in proximity to said retaining member.

15 15. A method of delivering fluids to the stomach of a patient through a stoma formed through the abdominal wall of the patient, comprising:
providing a gastrostomy device having a stoma tube, a port hub, an inflation line and
a retaining member comprised of an inflatable ring extending and spaced
apart from said stoma tube, said retaining member being initially housed
within said stoma tube for deployment;
positioning said stoma tube of said gastrostomy device through an existing stoma
formed through the abdominal wall of the patient;
injecting a fluid through said inflation line to initiate ejection of said retaining
member from said stoma tube; and
20 inflating said inflatable ring with said fluid until said inflatable ring is spaced apart
from the stoma tube and is in contact with the lining of the patient's stomach.

25 16. The method according to claim 15, further comprising injecting a substantially flowable substance through said stoma tube for delivery to the stomach.

17. The method according to claim 16, further comprising releasing fluid from said retaining member through said inflation line and removing said gastrostomy device from said stoma.

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18. A method of delivering fluids to the intestine of a patient through a stoma formed through the abdominal wall of the patient, comprising:
providing a jejunostomy device having a stoma tube, a port hub, an inflation line, a retaining member comprised of an inflatable ring extending and spaced apart from said stoma tube and a jejunostomy tube extending from said stoma tube, said retaining member and jejunostomy being initially housed within said stoma tube for deployment;
positioning said stoma tube of said jejunostomy device through an existing stoma formed through the abdominal wall of the patient into the intestine;
injecting a fluid through said inflation line to initiate ejection of said retaining member from said stoma tube;
inflating said inflatable ring with said fluid until said inflatable ring is spaced apart from the stoma tube and is in contact with the lining of the intestine; and
injecting a bolus of fluid through a port in said port hub and into said stoma tube to eject said jejunostomy tube from said stoma tube.

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19. The method according to claim 18 further comprising injecting a substantially flowable substance through said stoma tube for delivery to the intestine via said jejunostomy tube.

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20. The method according to claim 19, further comprising releasing fluid from said inflatable ring and removing said jejunostomy device from said stoma.